

US007680735B1

# (12) United States Patent Loy

METHOD AND APPARATUS

### ப**்**

(54)

### TRADE RECEIVABLE PROCESSING

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(\*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

This patent is subject to a terminal dis-

claimer.

(21) Appl. No.: 11/932,637

(22) Filed: Oct. 31, 2007

### Related U.S. Application Data

- (63) Continuation of application No. 11/610,176, filed on Dec. 13, 2006, now Pat. No. 7,366,698, which is a continuation of application No. 10/085,977, filed on Feb. 28, 2002, now Pat. No. 7,546,272.
- (60) Provisional application No. 60/224,706.
- (51) Int. Cl. G06Q 40/00 (2006.01)

### (56) References Cited

### U.S. PATENT DOCUMENTS

3,653,480 A	4/1972	Yamamoto et al
4,050,375 A	9/1977	Orleans
4,141,078 A	2/1979	Bridges et al.
4,205,780 A	6/1980	Burns
4,264,808 A	4/1981	Owens et al.

### (10) Patent No.:

US 7,680,735 B1

(45) Date of Patent:

\*Mar. 16, 2010

4,321,672	A	3/1982	Braun et al.
4,396,985	$\mathbf{A}$	8/1983	Ohara
RE31,692	E	10/1984	Tyburski et al.
4,495,018	A	1/1985	Vohrer
4,617,457	A	10/1986	Myers
4,672,377	A	6/1987	Murphy
4,694,397	A	9/1987	Grant et al.
4,700,055	A	10/1987	Kashkashian, Jr.
4,713,761	A	12/1987	Sharpe et al.
4,752,877	A	6/1988	Roberts et al.
4,797,913	A	1/1989	Kaplan
4,799,156	A	1/1989	Shavit
4,807,177	A	2/1989	Ward
4,812,628	A	3/1989	Boston
4,823,264	A	4/1989	Deming

(Continued)

### FOREIGN PATENT DOCUMENTS

EP 421808 4/1991

(Continued)

#### OTHER PUBLICATIONS

Annual Report Pursuant to Sectin 13 or 15(d) of the Securities Exchange Act of 1934, Form 10-K, Intelidata Technologies Corporation, Fiscal Year Ended Dec. 31, 2001.

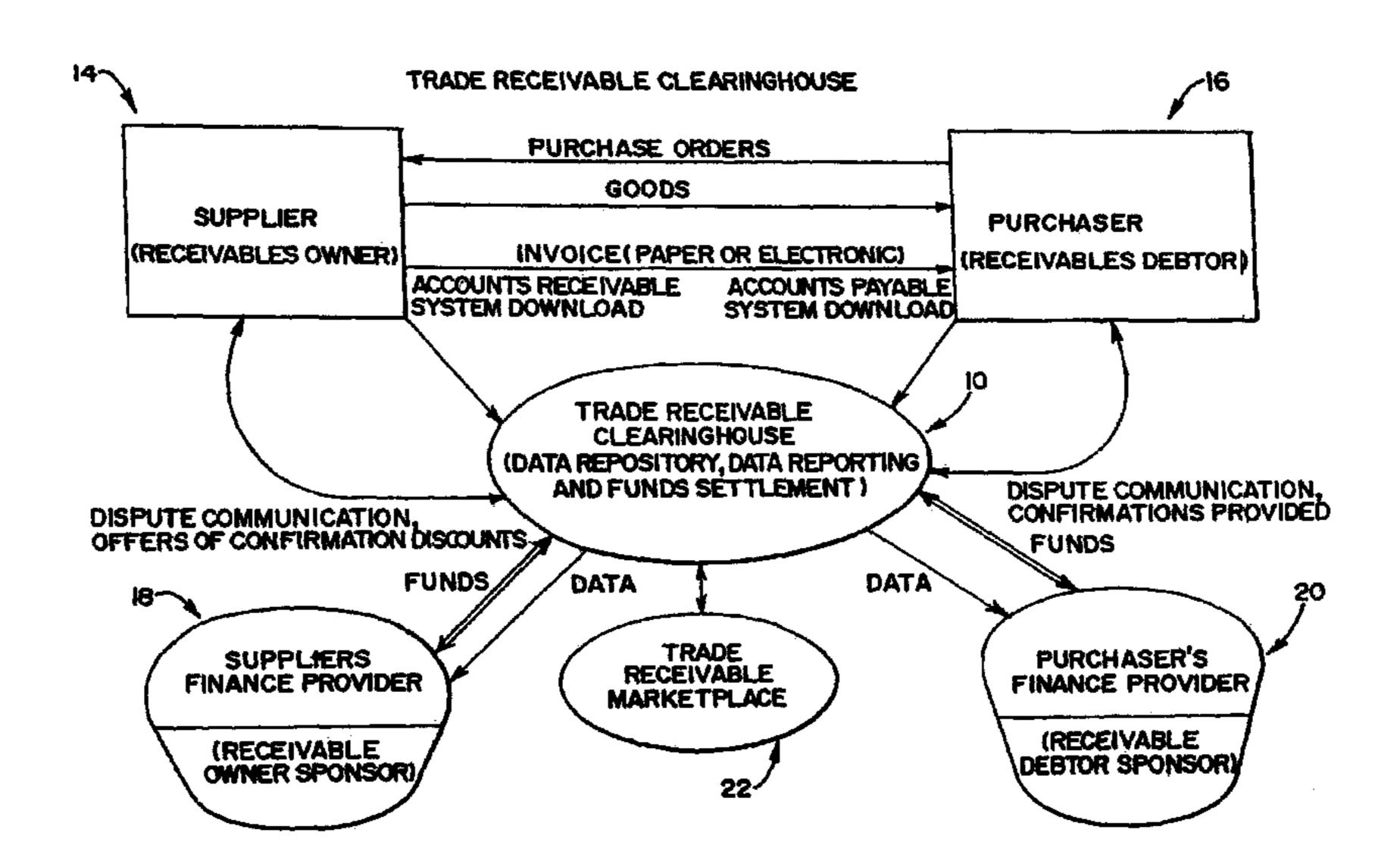
(Continued)

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### (57) ABSTRACT

A processing method and apparatus is provided, such as a clearinghouse, for tracking receivable and payable information, matching, negotiating, trading, providing working capital financing, and settling payments for accounts payable and accounts receivable between trading partners and finance providers.

### 20 Claims, 3 Drawing Sheets



## US 7,680,735 B1 Page 2

TIO DATENT		5 500 077 A	1/1007	T :1.:
U.S. PATENT	DOCUMENTS	5,592,377 A	1/1997	-
4,893,333 A 1/1990	Baran et al.	5,592,378 A		Cameron
, ,	Fuhrmann et al.	5,599,528 A	2/1997	
, ,	Price et al.	5,603,025 A	2/1997	
, , ,	Thomson et al.	5,615,109 A	3/1997	
, ,	Josephson	5,619,558 A	4/1997	
	Kehnemuyi et al.	5,621,201 A		Langhans
4,988,849 A 1/1991		5,640,577 A		Scharmer
, ,		5,642,419 A	6/1997	
4,992,646 A 2/1991		5,644,778 A		Burks et al.
4,992,940 A 2/1991		5,649,117 A		
	Kaplan	5,652,786 A		Rogers
5,053,607 A 10/1991		5,659,165 A		Jennings
5,054,096 A 10/1991		5,659,469 A	8/1997	Deaton et al.
, ,	Bonomi	5,659,741 A	8/1997	Eberhardt
5,111,395 A 5/1992		5,666,493 A	9/1997	Wojcik et al.
, ,	Thomson et al.	5,677,955 A	10/1997	Doggett et al.
5,122,950 A 6/1992		5,679,938 A	10/1997	Templeton
, ,	Van Remortel et al.	5,679,940 A	10/1997	Templeton
	Higashiyama	5,687,250 A	11/1997	Curley et al.
, ,	Behera	5,692,132 A	11/1997	Hogan
, ,	Baker et al.	5,699,528 A	12/1997	Hogan
, , , , , , , , , , , , , , , , , , ,	Lawlor	5,703,344 A	12/1997	Bezy et al.
5,225,978 A 7/1993	Peterson	5,704,044 A	12/1997	Tarter et al.
5,237,159 A 8/1993	Stephens	5,708,422 A	1/1998	Blonder et al.
5,265,007 A 11/1993	Barnhard, Jr. et al.	5,715,298 A		Rogers
5,283,829 A 2/1994	Anderson	5,715,314 A	2/1998	•
5,287,269 A 2/1994	Dorrough et al.	5,715,399 A	2/1998	-
5,311,594 A 5/1994	Penzias	5,717,989 A		Tozzoli et al.
5,315,508 A 5/1994	Bain et al.	5,724,424 A		Gifford
5,321,238 A 6/1994	Watanabe	5,727,249 A	3/1998	
, ,	Perazza	5,748,780 A	5/1998	
, ,	Hughes	5,751,842 A	5/1998	
5,349,170 A 9/1994	~	5,757,917 A		Rose et al.
, ,	Brody et al.	, ,		
	VanHorn	5,770,843 A		
5,373,550 A 12/1994		5,774,553 A		Rosen
5,396,417 A 3/1995		5,783,808 A		Josephson
5,402,474 A 3/1995		5,784,696 A		Melnikoff
		5,793,861 A	8/1998	•
	Kopesec	5,794,221 A		Egendorf
	Wagner Deater et al	5,802,498 A		Comesanas
, ,	Deaton et al.	5,802,499 A		Sampson et al.
	Chapman	5,812,988 A *	9/1998	Sandretto
, ,	Uhland	5,819,236 A	10/1998	Josephson
, ,	Glaser et al.	5,819,238 A	10/1998	Fernholz
5,446,740 A 8/1995		5,826,241 A	10/1998	Stein
, ,	Deaton et al.	5,826,245 A	10/1998	Sandberg-Diment
5,459,482 A 10/1995		5,832,447 A	11/1998	Rieker
5,465,206 A 11/1995		5,832,460 A	11/1998	Bednar
5,477,040 A 12/1995		5,832,463 A	11/1998	Houvener et al.
5,479,494 A 12/1995		5,832,464 A	11/1998	Houvener et al.
5,483,445 A 1/1996		5,832,488 A	11/1998	Eberhardt
5,484,988 A 1/1996		5,835,580 A	11/1998	Fraser
	Ramsay et al.	5,835,603 A	11/1998	Coutts
5,504,677 A 4/1996		5,835,899 A	11/1998	Rose et al.
5,506,691 A 4/1996	Bednar et al.	5,852,812 A	12/1998	Reeder
5,508,731 A 4/1996	Kohorn	5,859,419 A	1/1999	Wynn
5,513,250 A 4/1996	McAllister	5,864,609 A	1/1999	Cross et al.
5,532,464 A 7/1996	Josephson et al.	5,870,456 A	2/1999	Rogers
5,544,043 A 8/1996	Miki et al.	5,870,721 A	2/1999	•
5,544,046 A 8/1996	Niwa	5,870,723 A	2/1999	
5,550,734 A * 8/1996	Tarter et al 705/2	5,870,725 A		Bellinger et al.
5,551,021 A 8/1996	Harada	5,873,072 A	2/1999	•
5,557,515 A 9/1996	Abbruzzese et al.	5,878,141 A		Daly et al.
5,563,400 A 10/1996	Le Roux	5,883,810 A		Franklin et al.
, ,	Sheffield	5,884,288 A	3/1999	
5,568,489 A 10/1996		5,884,290 A		Smorodinsky et al.
, ,	Tsakanikas	5,897,625 A		Gustin
•	Raimann	5,897,023 A 5,898,157 A		Mangili et al.
5,583,759 A 12/1996		5,903,881 A		Schrader
5,583,760 A 12/1996	~ ~ ~ ~	5,505,001 A		
	Klesse	5 0 10 206 4	<u>6/1000</u>	Hahn-Carleon
, ,		5,910,896 A		Hahn-Carlson Ballard
5,590,196 A 12/1996 5,590,197 A 12/1996	Moreau	, ,	6/1999	Ballard

## US 7,680,735 B1 Page 3

5,917,965 A	6/1999	Cahill et al.	6,149,055 A	11/2000	Gatto
5,920,847 A		Kolling et al.	6,149,056 A		Stinson et al.
5,930,778 A	7/1999	•	6,167,385 A	12/2000	Hartley-Urquhart
5,940,811 A	8/1999		6,173,272 B1*		Thomas et al 705/42
5,940,844 A		Cahill et al.	6,181,837 B1		Cahill et al.
5,943,656 A		Crooks	6,185,544 B1		Sakamoto et al.
5,945,653 A 5,956,700 A		Walker et al. Landry	6,202,054 B1 6,205,433 B1		Lawlor et al. Boesch et al.
5,963,659 A		Cahill et al.	6,213,391 B1	4/2001	
5,963,925 A		Kolling et al.	6,227,447 B1		Campisano
5,966,698 A	10/1999		6,233,565 B1	5/2001	Lewis et al.
5,978,780 A	11/1999		6,233,566 B1		Levine et al.
5,987,435 A			6,236,972 B1		Shkedy
, ,		Halbrook Gustin et al.	6,240,444 B1 6,278,981 B1		Fin et al.  Dembo et al.
, ,	11/1999		6,289,322 B1		Kitchen et al.
,		Franklin et al.	6,292,789 B1		Schutzer
6,003,762 A	12/1999	Hayashida	6,301,379 B1	10/2001	Thompson et al.
, ,		Forst et al.	6,301,567 B1		Leong et al.
, ,		Chen et al.	6,304,858 B1		Mosler et al.
, ,	1/2000		6,321,212 B1	11/2001	Lange Lent et al.
6,016,482 A 6,016,484 A		Molinari et al. Williams et al	6,324,524 B1 6,338,047 B1		Wallman
6,018,718 A		Walker et al.	6,338,049 B1		Walker et al.
6,026,388 A		Liddy et al.	6,343,279 B1		Bissonette et al.
6,029,139 A	2/2000	Cunningham et al.	6,363,164 B1	3/2002	Jones et al.
6,032,133 A		Hilt et al.	6,363,364 B1	3/2002	
6,032,137 A		Ballard Cracelrov et el	6,363,365 B1	3/2002	
6,035,281 A 6,035,285 A		Crosskey et al. Schlect et al.	6,366,967 B1 6,374,235 B1		Wagner Chen et al.
6,035,287 A		Stallaert et al.	6,390,362 B1		Martin
6,038,553 A		Hyde, Jr.	6,393,409 B2		Young et al.
6,041,312 A	3/2000	Bickerton et al.	6,405,173 B1	6/2002	Honarvar et al.
6,041,315 A	3/2000		6,415,259 B1		Wolfinger et al.
6,044,362 A	3/2000		6,418,419 B1		Nieboer et al.
6,045,039 A 6,047,261 A		Stinson et al. Siefert	6,418,420 B1 6,418,430 B1		DiGiorgio et al. DeFazio et al.
6,052,674 A		Zervides et al.	6,434,159 B1		Woodward et al.
6,058,380 A		Anderson et al.	6,446,072 B1		Schulze et al.
6,058,381 A		Nelson	6,460,020 B1	10/2002	Pool et al.
6,061,665 A		Bahreman	6,490,568 B1		Omara et al.
6,064,764 A		Bhaskaran et al.	6,493,685 B1		Ensel et al.
6,064,987 A 6,065,675 A		Walker et al. Teicher	6,535,896 B2 6,536,663 B1		Britton et al. Lozier et al.
6,067,524 A		Byerly et al.	6,554,185 B1		Montross et al.
6,070,150 A		Remington et al.	6,574,350 B1		Rhoads et al.
6,070,798 A		Nethery	6,574,377 B1		Cahill et al.
6,073,104 A *		Field 705/1	6,578,000 B1		Dodrill et al.
6,073,113 A 6,076,072 A		Guinan	6,578,015 B1		Haseltine et al.
6,078,907 A	6/2000	Libman Lamm	6,609,113 B1 6,609,125 B1		O'Leary et al. Layne et al.
6,081,790 A	6/2000		6,629,081 B1		Cornelius et al.
6,085,168 A	7/2000	Mori et al.	6,636,615 B1	10/2003	Rhoads et al.
6,088,683 A	7/2000		6,658,393 B1		Basch et al.
6,088,685 A		Kiron et al.	6,661,910 B2		Jones et al.
6,088,686 A 6,092,056 A		Walker et al. Tull, Jr. et al.	6,704,714 B1 6,721,715 B2		O'Leary et al. Nemzow
6,092,050 A 6,098,053 A	8/2000		6,721,713 B2 6,728,397 B2		McNeal
6,098,070 A		Maxwell	, ,		Wood et al.
6,105,011 A		Morrison, Jr.	6,825,940 B1		Wu et al.
6,108,639 A		Walker et al.	6,860,375 B2		Hallowell et al.
6,110,044 A	8/2000		6,954,896 B1		Dodrill et al.
6,111,858 A 6,115,690 A		Greaves et al.	6,965,882 B1 6,970,259 B1		Lapstun et al. Lunt et al.
6,113,090 A 6,119,106 A	9/2000 9/2000	wong Mersky et al.	6,970,239 B1 6,970,855 B2		Das et al.
6,119,100 A	9/2000		RE38,957 E		Laussermair et al.
6,125,354 A		MacFarlane et al.	6,999,943 B1		Johnson et al.
6,128,602 A		Northington et al.	7,004,382 B2		Sandru
6,128,603 A		Dent et al.	7,062,456 B1		Riehl et al.
6,129,273 A	10/2000		7,068,832 B1		Price et al.
		Koppstein et al. Iwamura	7,104,443 B1 7,133,846 B1		Paul et al. Ginter et al.
·	11/2000		7,177,836 B1		
, , , - <del></del>			, , , <u> </u>	·	

7,194,437 B1			
, , , , , , , , , , , , , , , , , , , ,	3/2007	Britto et al.	2005/0033690 A1 2/2005 Antognini et al.
, ,			$\boldsymbol{c}$
7,200,255 B2		Jones et al.	2005/0055254 A1 3/2005 Schmidtberg et al.
7,313,543 B1	12/2007	Crane et al.	2005/0086178 A1 4/2005 Xie et al.
7,317,823 B1	1/2008	Price et al.	2005/0091156 A1 4/2005 Hailwood et al.
7,328,211 B2	2/2008	Bordner	2005/0097050 A1 5/2005 Orcutt
7,337,148 B2		Xie et al.	2005/0144059 A1 6/2005 Schuessler
, ,			
7,349,884 B1	3/2008		2005/0177480 A1 8/2005 Huang
7,380,707 B1	6/2008	Fredman	2005/0209954 A1 9/2005 Asher et al.
7,401,048 B2	7/2008	Rosedale et al.	2005/0261955 A1 11/2005 Humble et al.
2001/0011222 A1		McLauchlin et al.	2006/0095374 A1 5/2006 Lo
2001/0018666 A1		Sugiyama et al.	2006/0106650 A1 5/2006 Bush
2001/0018739 A1	8/2001	Anderson et al.	2006/0106717 A1 5/2006 Randle et al.
2001/0032139 A1	10/2001	Debonnett, Jr.	2006/0136335 A1 6/2006 Ferguson, III
2001/0037300 A1	11/2001	Miyazaki et al.	2006/0178986 A1 8/2006 Giordano et al.
2001/0037309 A1	11/2001		2006/0206427 A1 9/2006 Love et al.
		Nappe et al.	2006/0282389 A1 12/2006 Gupte
2001/0047489 A1	11/2001	Ito et al.	2006/0287953 A1 12/2006 Chauhan
2001/0051533 A1	12/2001	Wietzke et al.	2007/0061260 A1 3/2007 DeGrove
2002/0012445 A1	1/2002	Perrv	2007/0192216 A1 8/2007 Arnold
2002/0013728 A1		Wilkman	2008/0133522 A1 6/2008 Bordner
2002/0023055 A1		Antognini et al.	2008/0193008 A1 8/2008 Mount et al.
2002/0026394 A1	2/2002	Savage et al.	2009/0150370 A1 6/2009 Christensen
2002/0038363 A1	3/2002	MacLean	
2002/0046169 A1	4/2002	Keresman, III et al.	FOREIGN PATENT DOCUMENTS
2002/0040103 A1 2002/0052842 A1		Schuba et al.	
			EP 1014318 6/2000
2002/0055907 A1	5/2002	Pater et al.	
2002/0069134 A1	6/2002	Solomon	WO WO 91/16691 10/1991
2002/0072976 A1	6/2002	Virtanen et al.	WO WO 93/08545 4/1993
2002/0077978 A1		O'Leary et al.	WO WO 94/28497 12/1994
			WO WO 96/08783 3/1996
2002/0082985 A1		MacKay	WO WO 96/12242 A1 4/1996
2002/0087415 A1	7/2002	Allen et al.	
2002/0087468 A1	7/2002	Ganesan et al.	WO WO 97/14108 4/1997
2002/0087469 A1	7/2002	Ganesan et al.	WO WO 97/45796 12/1997
2002/0091635 A1			WO WO 97/45814 12/1997
		Dilip et al.	WO WO 98/09260 3/1998
2002/0100803 A1	8/2002		
2002/0107770 A1	8/2002	Meyer et al.	
2002/0107788 A1	8/2002	Cunningham	WO WO 00/39979 7/2000
			WO WO 01/75730 A2 10/2001
/UU///UIIIAN/ AI	A//111/	Allonelle	
2002/0111837 A1		Aupperle  Varian et al	
2002/0128981 A1	9/2002	Kawan et al.	WO WO 02/063432 A2 8/2002
	9/2002	* *	
2002/0128981 A1	9/2002	Kawan et al. Kalin et al.	WO WO 02/063432 A2 8/2002
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1	9/2002 9/2002 11/2002	Kawan et al. Kalin et al. Adler	WO WO 02/063432 A2 8/2002
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1	9/2002 9/2002 11/2002 11/2002	Kawan et al. Kalin et al. Adler Hannigan et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1	9/2002 9/2002 11/2002 11/2002 11/2002	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004 OTHER PUBLICATIONS
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1	9/2002 9/2002 11/2002 11/2002 11/2002 12/2002	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1	9/2002 9/2002 11/2002 11/2002 11/2002 12/2002	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1	9/2002 9/2002 11/2002 11/2002 11/2002 12/2002	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology block-
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15,
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2002	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology block-
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0018557 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2002 1/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0018557 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables prod-
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables prod-
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al.	WO WO 2004/079603 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0097335 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003 5/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The Ameri-
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0097335 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003 5/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995.  CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996.  Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004.  Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995.  Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23.  Reinbach, Chase steps up treasury system, ProQuest documednt ID
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0046218 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0110442 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003 5/2003 6/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0110442 A1 2003/0120686 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al.	WO WO 2/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0120686 A1 2003/0130945 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 2/2003 3/2003 3/2003 3/2003 6/2003 6/2003 6/2003 7/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News,
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194817 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 7/2003 7/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al. Force et al. Bell et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0199182 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0120686 A1 2003/0130945 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 2/2003 3/2003 3/2003 3/2003 6/2003 6/2003 6/2003 7/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al. Force et al. Bell et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The Ameri-
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194817 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003 5/2003 6/2003 6/2003 7/2003 7/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al. Force et al. Bell et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0046218 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0144942 A1 2003/0144942 A1 2003/0144942 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 7/2003 7/2003 10/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al.	WO WO 2/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0144942 A1 2003/0144942 A1 2003/0144942 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 3/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 7/2003 7/2003 10/2003 10/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0120686 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130952 A1 2003/0144942 A1 2003/0144942 A1 2003/0147789 A1 2003/0191710 A1 2003/0191710 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 7/2003 7/2003 10/2003 10/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0144942 A1 2003/0144942 A1 2003/0144942 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 7/2003 7/2003 10/2003 10/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0120686 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130952 A1 2003/0144942 A1 2003/0144942 A1 2003/0147789 A1 2003/0191710 A1 2003/0191710 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2002 1/2003 2/2003 2/2003 2/2003 3/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 7/2003 7/2003 10/2003 10/2003 10/2003 11/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al.	WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0120686 A1 2003/0130945 A1 2003/0130952 A1 2003/0144942 A1 2003/0187789 A1 2003/0191710 A1 2003/0208421 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2003 1/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 11/2003 11/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Vicknair et al.	WO WO 2004/079603 9/2004  **OTHER PUBLICATIONS**  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995.  CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996.  Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004.  Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995.  Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23.  Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995.  Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995.  Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002.  Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41.  Gluck, Creating a Global Cash-Management Game Plan, Bank Sys-
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0105641 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0130945 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2003 12/2003 2/2003 2/2003 3/2003 3/2003 4/2003 5/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 11/2003 11/2003 11/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Vicknair et al. Poplawski et al. Horan et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41. Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130952 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 6/2003 7/2003 7/2003 10/2003 10/2003 11/2003 11/2003 11/2003 12/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Poplawski et al. Horan et al. Solomon	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  CTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol. 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41. Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28. Lamond, Credit Card Transactions Real World and Online, Paying
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0130945 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 11/2003 11/2003 11/2003 12/2003 12/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Vicknair et al. Poplawski et al. Horan et al. Solomon Parker et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41. Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28. Lamond, Credit Card Transactions Real World and Online, Paying By Credit Card-Real World and Online, http://www.virtualschool.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130952 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 11/2003 11/2003 11/2003 12/2003 12/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Poplawski et al. Horan et al. Solomon	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  CTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol. 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41. Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28. Lamond, Credit Card Transactions Real World and Online, Paying
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0199182 A1 2003/0018557 A1 2003/0037002 A1 2003/0046218 A1 2003/0046218 A1 2003/0069780 A1 2003/0097335 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0110442 A1 2003/0130945 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 11/2003 11/2003 11/2003 12/2003 12/2003 4/2004	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Vicknair et al. Poplawski et al. Horan et al. Solomon Parker et al.	WO WO 02/063432 A2 8/2002 WO WO 2004/079603 9/2004  OTHER PUBLICATIONS  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995. CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996. Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004. Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995. Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23. Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995. Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995. Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002. Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41. Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28. Lamond, Credit Card Transactions Real World and Online, Paying By Credit Card-Real World and Online, http://www.virtualschool.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130952 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 11/2003 11/2003 11/2003 12/2003 12/2003 12/2003 12/2003 12/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Vicknair et al. Poplawski et al. Horan et al. Solomon Parker et al. Kight et al. Talbert et al.	WO WO 2004/079603 9/2004  **COTHER PUBLICATIONS**  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995.  CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996.  Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004.  Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995.  Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23.  Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995.  Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995.  Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002.  Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41.  Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28.  Lamond, Credit Card Transactions Real World and Online, Paying By Credit Card-Real World and Online, http://www.virtualschool.edu/mon/ElectronicProperty/klamond/credit, printed Jul. 8, 2005, 17 pages.
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0170966 A1 2002/0178071 A1 2002/0194096 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0018557 A1 2003/0040959 A1 2003/0046218 A1 2003/0069780 A1 2003/0069780 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130952 A1	9/2002 9/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 2/2003 3/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 10/2003 10/2003 11/2003 11/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Vicknair et al. Poplawski et al. Horan et al. Solomon Parker et al. Kight et al. Talbert et al. Buchanan et al.	WO WO 2004/079603 9/2004  **OTHER PUBLICATIONS**  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995.  CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996.  Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004.  Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995.  Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23.  Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995.  Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995.  Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002.  Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41.  Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28.  Lamond, Credit Card Transactions Real World and Online, Paying By Credit Card-Real World and Online, http://www.virtualschool.edu/mon/ElectronicProperty/klamond/credit, printed Jul. 8, 2005, 17 pages.  Lamond, Keith, Credit Card Transactions Real World and Online,
2002/0128981 A1 2002/0138398 A1 2002/0169658 A1 2002/0178071 A1 2002/0184151 A1 2002/0194096 A1 2002/0198817 A1 2002/0199182 A1 2003/0037002 A1 2003/0040959 A1 2003/0046218 A1 2003/0055675 A1 2003/0069780 A1 2003/0105641 A1 2003/0105641 A1 2003/0110442 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130945 A1 2003/0130952 A1	9/2002 11/2002 11/2002 11/2002 12/2002 12/2002 12/2002 12/2003 2/2003 2/2003 3/2003 3/2003 3/2003 4/2003 6/2003 6/2003 6/2003 6/2003 7/2003 10/2003 10/2003 11/2003 11/2003 11/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003 12/2003	Kawan et al. Kalin et al. Adler Hannigan et al. Walker et al. Maloney Falcone et al. Dhir Whitehead Gilbert et al. Higgins et al. Fei et al. Albanese et al. Klein Twennaar Hailwood et al. Moskowitz et al. Lewis Battle Kim et al. Force et al. Bell et al. Sobek Karas et al. Green et al. Allen et al. Vicknair et al. Poplawski et al. Horan et al. Solomon Parker et al. Kight et al. Talbert et al. Buchanan et al. Baron	WO WO 2004/079603 9/2004  **COTHER PUBLICATIONS**  Blockbuster running test of a stored value card, The American Banker, Sep. 1, 1995.  CES/NaBANCO introduces stored value card technology blockbuster video is first merchant partner, Business Wire, Inc., Jan. 15, 1996.  Card Flash Daily Payment Card News, www.cardweb.com, printed Sep. 23, 2004.  Anonymous, Chase Manhattan introduces new FEDI payables product, ProQuest document ID: 7806951, ISSN/ISBN: 02686635, May 1995.  Bills, Chase Pact Done, What's Next for Web Vendors?, The American Banker, Technology Section, Jun. 3, 2002, p. 23.  Reinbach, Chase steps up treasury system, ProQuest documednt ID 8723558, ISSN/ISBN: 10459472, Nov. 1995.  Anonymous, Chasing the global trend, Cash Management News, proQuest document ID 9319923, ISSN/ISBN: 02686635, Dec. 1995.  Malhotra, Clearing House Enumerates e-Payments Ills, The American Banker, vol, 167, No. 154, Aug. 23, 2002.  Marjanovic, Corporate Services: Chase Gears Up Global Payments System Series: 16, The American Banker, vol. 160, Issue 174, Sep. 11, 1995, p. 41.  Gluck, Creating a Global Cash-Management Game Plan, Bank Systems & Technology, Feb. 1997, p. 28.  Lamond, Credit Card Transactions Real World and Online, Paying By Credit Card-Real World and Online, http://www.virtualschool.edu/mon/ElectronicProperty/klamond/credit, printed Jul. 8, 2005, 17 pages.

2004/0228514 A1 11/2004 Houle et al.

credit\_card.htm, pp. 1-17, printed Jul. 8, 2005.

Dialog file 20, #10279554; Offer: Book Yourself Free Cassettes; Mar. 25, 2000; Birmingham Post, p. 16.

Du Pont's Electronic Payments, Corporate ELT Report, v9, n1, Dialog file 636, Accession No. 01066902, Jan. 11, 1989.

Carreker, Electronic check presentment: Capturing new technology, http://proquest.umi.com, Banking Management, Rolling Meadows: vol. 71, Issue 2, Mar./Apr. 1995, p. 32, 5 pages.

Fidelity Helps Fund Sellers Trim the Taxes They'll Owe, the Wall Street Journal, Nov. 7, 2002.

First Data markets stored-value cards, Cards International, Jan. 30, 1996, p. 5.

Norris, First data unit develops blockbuster cash card, Omaha World Hearld Sunrise Edition, Business Section, Jan. 19, 1996, p. 16. Money, Initial Launch to 200 Credit Unions, UsA Today.com, Jun.

Decovny, Net Scope, Banking Technology, May 1997.

27, 2002.

Nokia Announces the World's First NFC Enabled Mobile Product for Contactless Payment and Ticketing, PRNewswire, Feb. 9, 2005.

Goode, On Profit, Loss and the Mysteries of the Mind, The New York Times, Nov. 5, 2002.

Anonymous, Operating in a multi-currency environment, ProQuest document ID 9215937, ISSN/ISBN 09589309, Oct. 1995.

Maher and Troutman, Payor's Prescription for Painless Migration to Electronic Healthcare Payments and Remittance Advices, PNC Bank, Dec. 2001.

Press Release, Mar. 5, 2004, Payment Data Systems Files Patent on Debit Card Payment Solution, American City Business Journals, Inc., Mar. 5, 2004.

Maher and Troutman, Provider's Prescription for Painless Migration to Receipt of Electronic Healthcare Payments and Remittance Advices, PNC Bank, Dec. 2001.

Anonymous, Systems spell change for foreign exchange, Global Investor, ProQuest document ID 1056152B, ISSN/ISBN: 09513604, Nov. 1996.

French, Tech Stocks: Market Movers, Investors Worry CheckFree Being Chased from Its Own Game, http://www.thestreet.com, Jun. 20, 2002.

Technology, In Brief Wachovia-InteliData Deal, May 7, 2002.

Zuckerman, The Hedge-Fund Craze, The Wall Street Journal, Jun. 12, 2002.

McDonald, The Stars in the Sky Flicker, And Fund Stars Do the Same, The Wall Street Journal, Jan. 15, 2003.

Anonymous, Visa & Carnegie Mellon Plan Online Payment Scheme, Newsbyte News Network, Feb. 15, 1995.

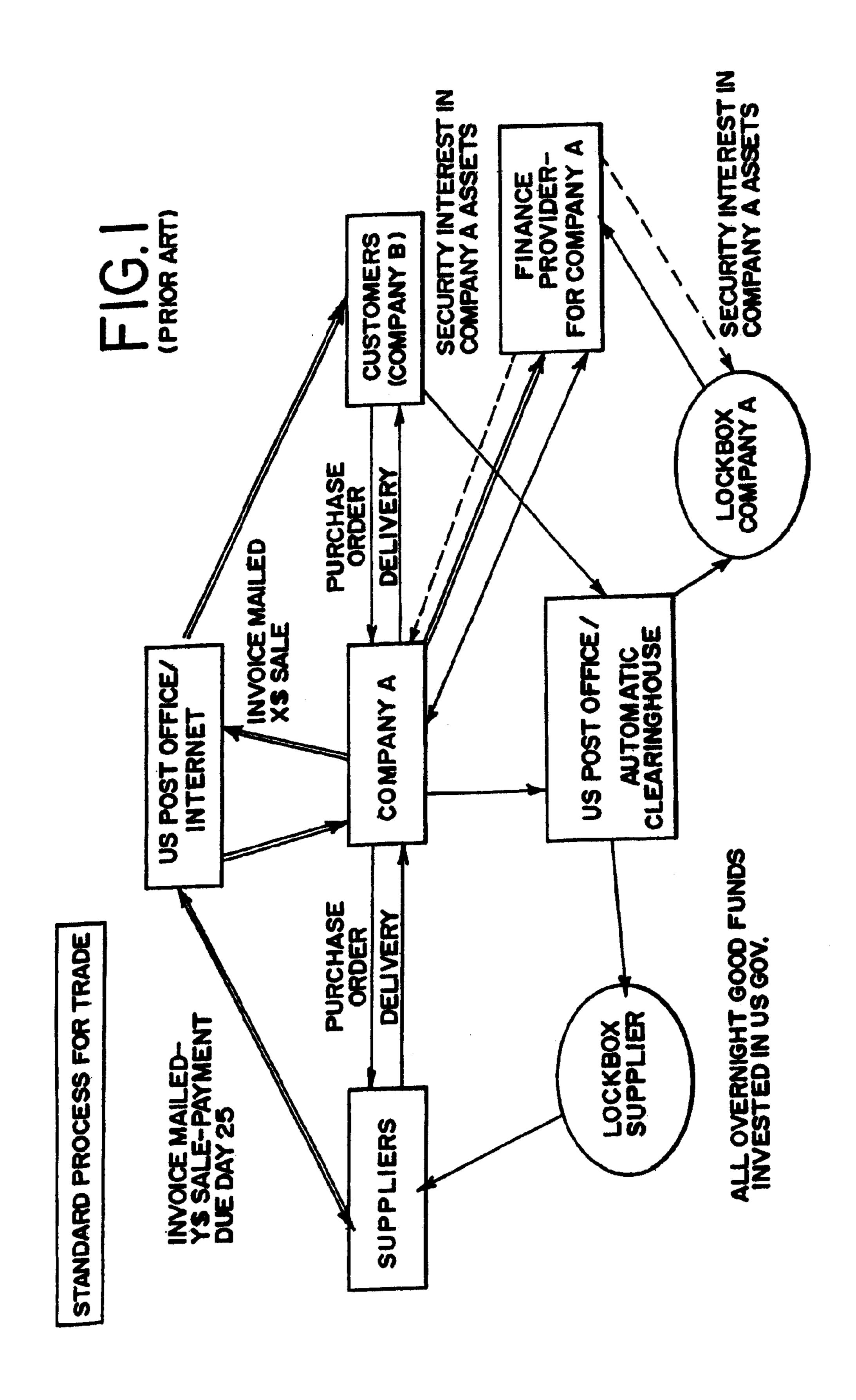
Financial News, Wells Fargo Rolls Out Nationwide Lockbox Check Conversion, PRNewswire Association, Apr. 22, 2003.

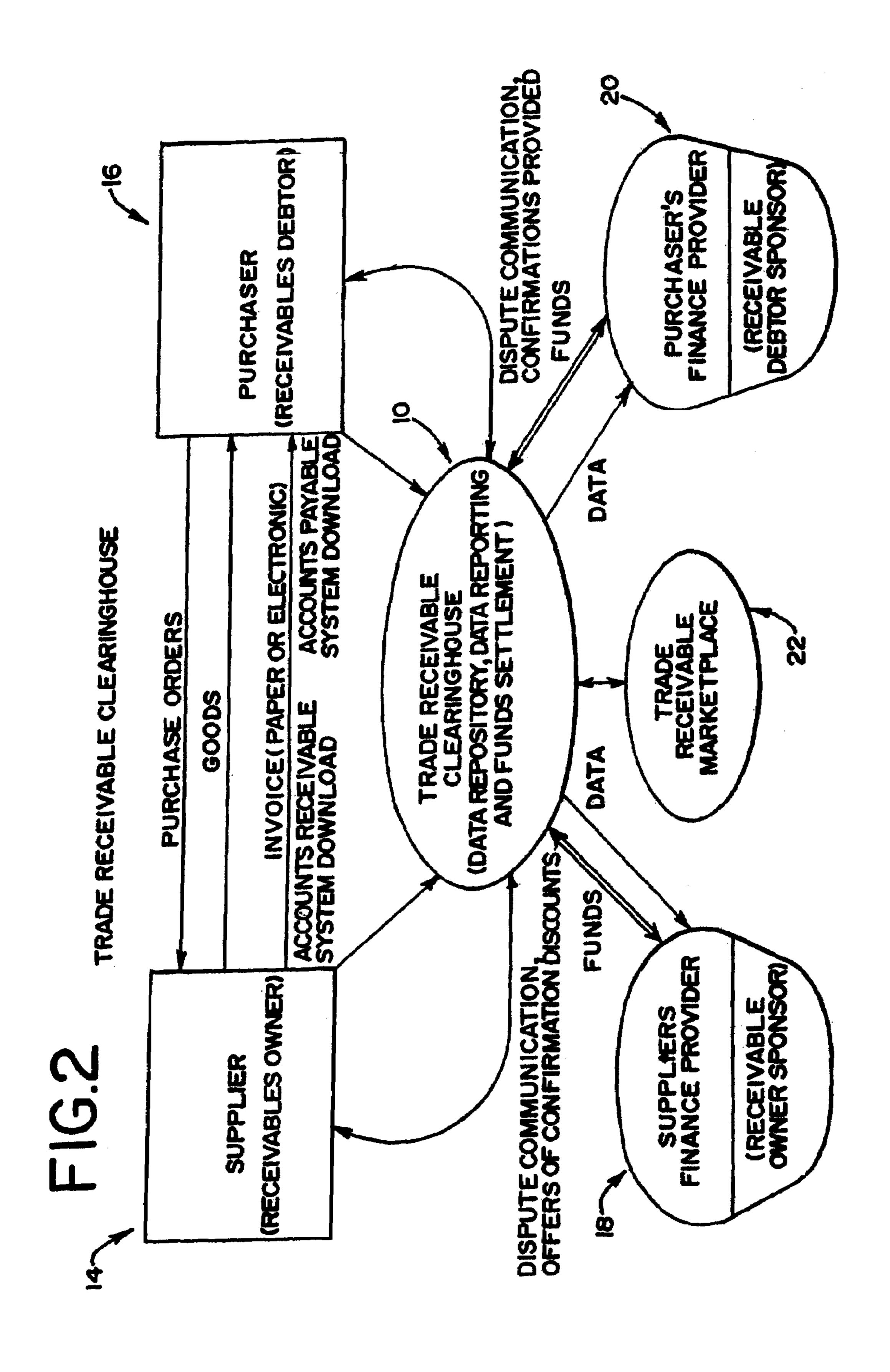
Terrie Miller and Henry Yan, When Custody Governs, Benefits Canada, Toronto, Feb. 1998, vol. 22, Issue 2, p. 33, 5 pages.

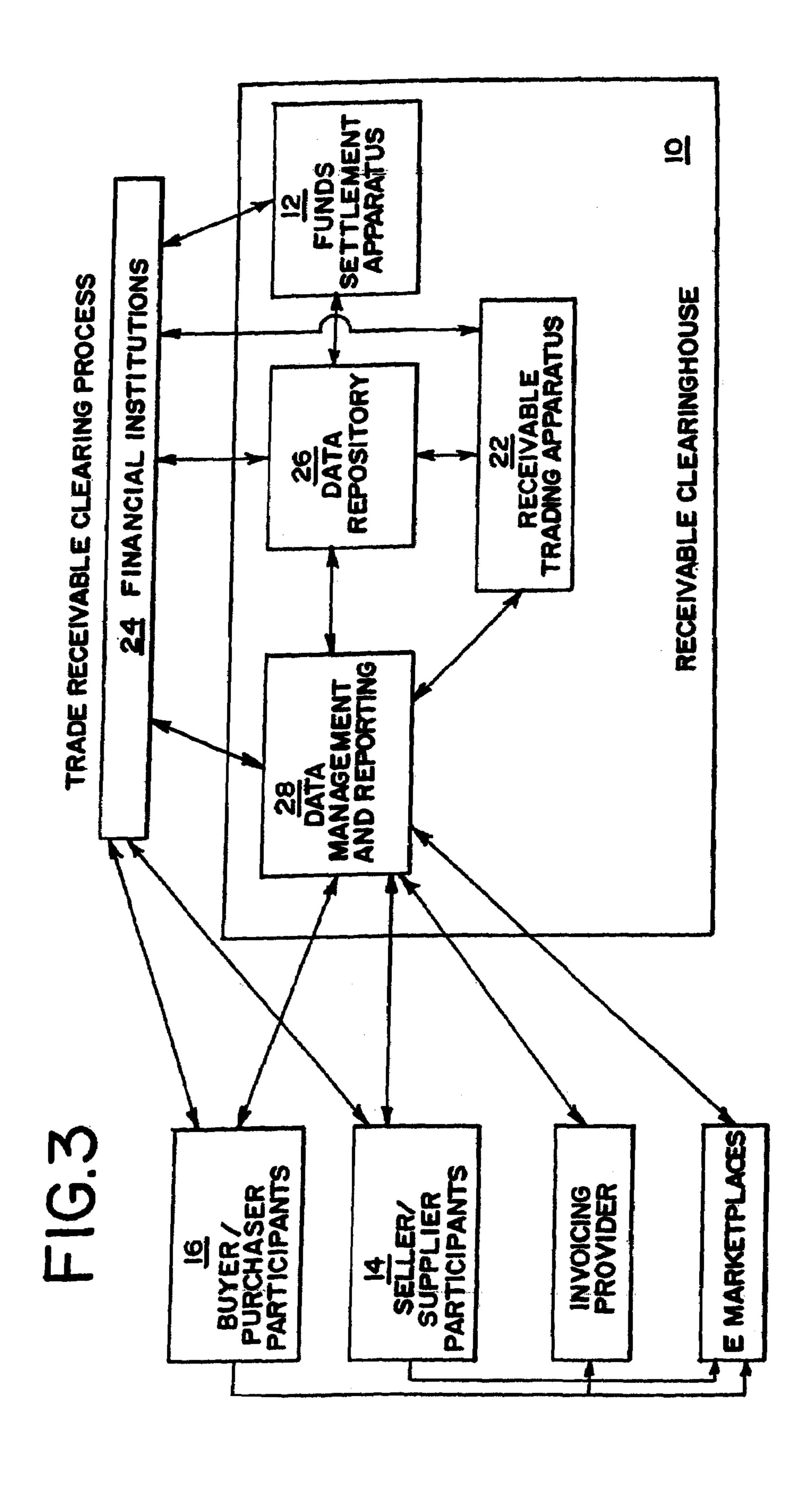
Armstrong, Douglas, "Norwest Eases difficulty of Interstate Banking Bank's Customers May Use the Same Account No. at Any Branch", Milwaukee Journal Sentinel, Oct. 1995.

Hunt, Robert M., An Introduction to the Economics of Payment Card Networks, Review of Network Economics, vol. 2, Issue 2, Jun. 2003. Maturi, Richard, "Personal Finance; When you Need to Send Cash in a Flash", The New York Times, Sep. 1988.

<sup>\*</sup> cited by examiner







### TRADE RECEIVABLE PROCESSING METHOD AND APPARATUS

#### RELATED APPLICATIONS

This patent application is a continuation of and claims priority to U.S. application Ser. No. 11/610,176, filed Dec. 13, 2006, now U.S. Pat. No. 7,366,698, and entitled "Trade Receivable Processing Method and Apparatus," which is a continuation of and claims priority to U.S. application Ser. 10 No. 10/085,977, filed Feb. 28, 2002, now U.S. Pat. No. 7,546, 272, and commonly titled, which claims the benefit of U.S. Provisional Application Ser. No. 60/224,706, filed Aug. 11, 2000, all of which are incorporated herein by reference.

### TECHNICAL FIELD

The present invention relates generally to a trade receivable processing method and apparatus, and in particular, to a method and apparatus such as a clearing center for performing one or more services related to tracking summary receivable and payable information, and matching, negotiating, trading, financing, and settling payments for accounts payable and accounts receivable between trading partners and finance providers.

### BACKGROUND OF THE INVENTION

Typically, as shown in FIG. 1, upon the receipt and initial processing of a purchase order (typically paper), the seller of the goods (Company A) ships the goods to the buyer/customer (Company B), and mails to the buyer (Company B) an invoice. Terms of payment are stated on the invoice, with mailing instructions—typically to a lockbox address if Company A has sufficient volume. Costs incurred by Company A to invoice include printing, envelopes, and mailing. Costs to Company B include creating and printing the check, envelope and mailing costs.

The lockbox bank, on behalf of Company A, receives the mail sent to the lockbox, opens the envelopes, sorts out the non-invoice letters, sorts invoices, deposits the checks, and sends to Company A the non-invoice letters. In addition, the lockbox bank sends to Company A information regarding invoices and the checks it received and deposited (this information can be sent either electronically or manually). Company A must then compare the data received from the lockbox bank with its own records (accounts receivable ledger), and determine/resolve payment discrepancies (different payment amounts received), as well as resolve disputes and slow-pay situations. A significant amount of the time spent by Company A's receivable department is resolving these payment discrepancies.

Depending on the industry, it is not uncommon that 5-10% of the payments received do not match the invoiced amount, and 2-4% cannot be easily resolve and reconciled (i.e., are 55 easily identifiable as an agreed upon payment discount, volume rebate, etc.). It is very common that the difficult reconciliation problems are the result of communication issues between Company B, the sales force of Company A and its invoicing department, or with return goods. Unresolved items 60 may be outstanding for 90 days or longer before being reconciled, thus the receivable portfolio statistics for many companies are distorted.

If Company A wishes to borrow money against its accounts receivable, or wishes to securitize its accounts receivables, a 65 lender or investor will spend a significant amount of time analyzing the difference between the invoiced amounts and

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the actual payments received, and focus on the unusual or difficult reconciliation situations. If there are a lot of discrepancies that either cannot be predicted, or take a long time to resolve, the lenders and investors will require additional collateral, or a higher yield to offset the uncertainty. In addition, legal steps to protect the financier or purchaser are time consuming.

Currently, there is not a clearinghouse process that accomplishes a process of matching and reconciliation of payables and receivables information flow between trading partners, allows and facilitates communication between companies regarding specific invoice agreements and adjustments prior to payment, as well as creates a method to finance the payment flows, taking into account legal and cash domain issues.

Nevertheless, large and middle market companies are struggling to efficiently manage their working capital, while trying to reduce borrowing costs, banking fees, and treasury management costs (overall receivable and payable management costs). Current providers of traditional treasury management products continue to lower standard transaction costs, for payment remittance and receivable collection activity, but this does not address the financing inefficiencies in the current method.

Many companies have funding programs in place based on secured, borrowing bases against receivables, or have sold or securitized their receivables in the capital markets. The continuing growth in the securitization of trade receivables will be dependent upon the ability to improve the efficiency of disseminating trade receivable information and controlling, and/or consolidating, payment methods. In addition, the factoring industry would also be positively and profoundly affected by a more efficient method, such as a clearing center to trade receivable information and cash-flows.

Likely results of a clearinghouse for trade receivables would be more standardized financing documentation and structures, more efficient legal and operational segregation of cash flows, as well as efficiencies that will result in better financing terms for secured borrowers, sellers of receivables, and capital market issuers alike.

### SUMMARY OF THE INVENTION

The present invention provides a method and apparatus, such as a clearing center, or central repository of electronic data, for the reconciliation of payable and receivable information, settlement of trade obligations, the financing of receivables, and trading of account receivables and derivations.

One embodiment of the present invention is directed to a method of utilizing an Internet (i.e., decentralized global computer network) based receivable clearinghouse for facilitating a transaction involving invoice information, replacing the need for a separate invoice to be sent between trading partners. The invoice information is sent electronically to the receivable clearinghouse by a first participant. The clearinghouse stores the invoice information and generates an electronic version of the invoice. The invoice information is provided or made available by the clearinghouse to a second participant on behalf of the first participant. The electronic invoice information includes one or more payment terms wherein one term requires payment of the amount due under that specific invoice be sent to the receivable clearinghouse. Payments by the second participant are received at the clearinghouse and recorded. The first participant is credited with the receipt of the payment.

A further aspect of the present invention provides a process for modifying the one or more payment terms. A confirmation

(formal agreement with like terms an obligations of the invoice) of the specific invoice can be provided by the second participant, and sent to the clearinghouse wherein the clearinghouse forwards the confirmation to the first participant. In response to the confirmation, one or more of the payment terms may be modified, i.e., discounted amount, or extended payment terms, etc.

Another aspect of the present invention provides for daily net settlements and reporting between the participant and the receivable clearinghouse covering all of its payables and 10 receivables due to/from other participants.

Yet another further aspect of the present invention provides for a marketplace for the offering of financing or purchasing of receivables tracked by the clearinghouse. The offers can be predetermined or confidential, e.g., "blind," arrangements 15 extended to participants owning receivables.

Other features and advantages of the invention will be apparent from the following specification taken in conjunction with the following drawings.

### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a simplified flow diagram of a prior art standard trade receivable payment process;

FIG. 2 is a simplified flow diagram of a business transaction utilizing a trade receivable clearing process in accordance with the present invention; and,

FIG. 3 is a simplified block diagram of the trade receivable clearing process depicted in FIG. 2.

### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

While this invention is susceptible of embodiments in 35 in the records of the clearinghouse 10. many different forms, there is shown in the drawings and will herein be described in detail a preferred embodiment of the invention with the understanding that the present disclosure is to be considered as an exemplification of the principles of the invention and is not intended to limit the broad aspect of the invention to the embodiment illustrated.

An embodiment of a business transaction utilizing a receivable clearinghouse 10 in accordance with the present invention is shown in FIGS. 2 and 3. Preferably, the clearinghouse 10 is Internet (i.e., decentralized global computer network) based and capable of interacting with several participants including suppliers, purchasers, and finance providers. Specifically, the participants share data related to trade obligations created during the transaction of business to business commerce, and changes or corrections to the trade obligations. The participants enter into contractual relationships with regard to the actual settlement and financing of these obligations. Preferably, these agreements are standard between the clearinghouse and all other participants including finance providers and prospective investors in trade receivables.

Turning to FIG. 3, the clearinghouse 10 preferably includes a funds settlement apparatus 12, such as a receivable trust, utilized by the clearinghouse and all its participants. Cash 60 settlements between the clearinghouse 10 and its participants preferably occurs daily. In an embodiment, several types of participants utilize the clearinghouse 10 such as receivable owners, receivable debtors, and financial providers.

The receivable owner, e.g., supplier 14, agrees to provide 65 summary data on its receivables and settle certain of its trade receivables through the clearinghouse 10. Similarly, the

receivable debtor, e.g., purchaser 16, has agreed to provide summary data on its payables and settle its trade obligations via the clearinghouse 10.

As shown in FIG. 2, two additional participants can include the supplier's finance provider 18 and the purchaser's finance provider 20. In an embodiment, besides providing financing to the supplier 14, the supplier's finance provider 18 is a financial institution that agrees to take on the performance risk of the receivable owner 14 for certain representations and warrants for which is agreed to when becoming a clearinghouse participant. In addition, the supplier's finance provider 18 may act as the representative of the receivable owner 14 when the receivable owner trades through a clearinghouse trade receivable marketplace 22.

Likewise, in an embodiment, the purchaser's finance provider 20 is a financial institution that, along with providing financing, agrees to take on the performance risk of the receivable debtor 16 for certain representations and warrants for which it agreed to which becoming a clearinghouse par-20 ticipant. Moreover, the purchaser's finance provider debtor sponsor 20 may act as the representative of the receivable debtor 16 when the receivable debtor executes a trade through the clearinghouse trade receivable marketplace 22.

In an embodiment, one or more other financial institutions 25 24 may offer to provide financing to the receivable owner 14, as well as coordinate cashflow to and from the clearinghouse 10 on behalf of the participants. Such financing can be provided, for example, through the purchase of the debt obligations of the purchaser 16 owing to the supplier 14, or through 30 the lending of funds to the purchaser or subsequent owner secured by the purchaser obligations. They may also provide currency exchange products and services. The financial institutions 24 preferably agree to the legally binding transfer of ownership and assignments of security interests as reflected

The clearinghouse trade receivable marketplace 22 provides a forum within the clearinghouse 10 that allows financial institutions 24, on their own behalf as well as on behalf of the current owner of a receivable, to buy or sell an obligation of the purchaser 16 to make a payment under a specific receivable to other clearinghouse participants.

Preferably, a contractual relationship is a prerequisite to a participant's participation within the clearinghouse 10. Participants agree to resolve receivable and payable disputes through the clearinghouse 10, track their resolution, and be bound by execution of a digital signature. The participants further agree to follow predetermine reporting and funding procedures. These procedures can include: summary information on receivables to be settled through the clearinghouse 10; notification of receivable ownership/interest changes; and, notification of debit/credit balances in the funds settlement apparatus 12.

In an embodiment, each participant acknowledges the ability of the clearinghouse to track and grant security interests in receivables and the funds in settlement apparatus 12 on behalf of the supplier 14, or the current receivable owner, if different. The transfer of ownership in the receivables and payment obligations, and the granting of security interests are authorized by the execution of an electronic signature. The supplier 14 and purchaser 16 are preferably bound to provide predetermined information on receivables and payables to each other through the clearinghouse 10. The receivables and payables information are matched and tracked through the clearinghouse 10, preferably via the data management and reporting module 28. The supplier 14, or subsequent owner of the receivables, agrees to accept payment for the receivables through the funds settlement apparatus 12, e.g., the receiv-

ables trustee transfers funds from the receivable debtor 16 designated accounts to the receivable owners designated accounts at the receivable trust 12. Similarly, the receivable debtor 16 will make a payment of all of its payables to a designated account at the receivable trust 12.

The supplier 14 (receivable owner) and purchaser 16 (receivable debtor) electronically communicate with the clearinghouse 10 the status of receivables and payables. Preferably, these electronic communications to and from the clearinghouse 10 are legally binding contractual obligations. The status of a clearinghouse item may be: no-match, match, approved release date, confirmed (i.e., receivable debtor will pay the stated amount on the stated date), re-confirmed (i.e., the receivable debtor's obligation is backed or guaranteed by a financial institution), etc. In an embodiment, the payment date is the actual date payment is made. Preferably, the funds settlement trust 12 has the ability to net payments of a participant's receivable and payable accounts. These net payments are preferably executed on a daily basis.

Upon the confirmation of an invoice amount (when the receivable debtor 16 specifically agrees to pay a certain amount on a certain date), the receivable debtor agrees that the obligation thereafter is absolute, binding, with no rights of set-off. In addition, the receivable debtor 16 acknowledges that the receivable owner 14 may sell, assign, pledge, and transfer ownership within the receivable clearinghouse 10 without the consent or knowledge of the receivable debtor. The supplier 14, or a subsequent receivable owner, can offer the cashflow obligations of the receivable debtor 16 to other participants of the clearinghouse 10 on a confidential "double-blind" basis, i.e., confidential regarding underlying business transaction as well as the supplier 14 and the prospective receivables purchaser, or receivable owner, through the receivable trading apparatus 22.

The receivable owner 14 and financial provider 18 utilize standard documents for financing receivables. The receivables are financed by the purchase of the receivables, the purchase of an ownership interest in the receivables or a pool of receivables, or the pledging of a security interest. Both the receivable owner 14 and the financial provider 18 agree to accept the risk of clearinghouse bookkeeping regarding ownership and security interest issues. All payments for financing are accepted through book entry debits and credits with the funds apparatus 12 based on the reporting of the clearinghouse 10. In an embodiment, the receivable owner 14 grants access, via the clearinghouse 10, to finance providers, with respect to information pertaining to any receivable for which the financial provider 18 is interested.

Information pertaining to the receivables and payment data is transmitted between the participants and the clearinghouse <sup>50</sup> **10**, preferably via data management and reporting **28**, on a daily basis. The type of information transmitted depends on the participants involved.

### Receivable Owner and Clearinghouse

The supplier 14 sends information on new and existing receivables to the clearinghouse 10. The information sent regarding new receivables may include the purchaser 16, amount, invoice number and date due. The information sent pertaining to existing receivables may involve any of the 60 following: changes requested by the purchaser 16 and accepted or modified; new or revised clearinghouse terms; or, confirmation of the sale of a receivable through the trade receivable marketplace 22. The supplier 14 or a subsequent receivable owner 14 also sends confirmation of settlement to 65 the clearinghouse 10 wherein deposit or withdrawal from the funds apparatus 12 is confirmed.

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The receivable owner (whether the original supplier 14 or a subsequent receivable owner) can accesses the clearing-house marketplace 22 via a trading web-page. At the web-page, the receivable owner can search for receivables to purchase; post receivables to sell; and, inform the clearinghouse 10 of an offer.

The information sent or made available by the clearing-house 10 to a receivable owner 14, such as the supplier 14, can include: projected future clearinghouse credits; receivable status, i.e., no-match, match, approved, release-date; and, confirmations, reconfirmations, and changes noted or requested by the purchaser 16 related to the current owner or sponsor.

The clearinghouse 10 sends or makes available the receivable owner 14 a daily settlement report. The report contains an itemized net payment due to or from receivables and payables, and the sale of any receivables; and, cash delivery failures on past settlements.

### Receivable Debtor and Clearinghouse

The clearinghouse 10 sends or makes available to the receivable debtor 16 information on new invoices which the clearinghouse received from receivable owners 14, e.g., seller, amount, purchase order, product description, terms, clearinghouse terms (discounts offered for affirmations, confirmations, and reconfirmations). In an embodiment, the receivable debtor 16 compares electronically this information with its own accounting system information regarding payables.

The receivable debtor 16 sends to the clearinghouse 10 on a confidential louble-blind" basis, i.e., confidential regarding underlying usiness transaction as well as the supplier 14 and the projective receivables purchaser, or receivable owner, through the receivable trading apparatus 22.

The receivable debtor 16 sends to the clearinghouse 10 information on existing payables invoices, such as: affirmations (full or partial); confirmations; and requests for reconfirmation (by receivable debtor sponsor or a specific financial provider). Also sent is information related to changes noted or requested by receivable debtor 16, the current owner or sponsor.

Similar to the information sent or made available to the receivable owner, the clearinghouse 10 sends or makes available the receivable debtor 16 daily settlement reports. The report contains an itemized net payment due on its payables, net of any awards it is to collect if it is also a receivable owner 14, and cash delivery failures on past settlements.

The receivable debtor also sends information pertaining to the confirmation of settlement to confirm payments from the funds apparatus 12.

### Financial Provider and Clearinghouse

The clearinghouse makes available daily listings of invoices and information or receivable debtor obligations for those the receivable owner 14 had provided access to the financial provider 24. These listings are categorized by receivable owner 14, receivable debtor 16, and any type of ownership interest guaranteed to the finance provider. The listing by receivable owner is further defined by existing (by type of clearinghouse terms), new additions, and changes to existing invoices. In an embodiment, information such as listings can be made available by the clearinghouse on a global basis by using, for example, the Internet.

The financial provider 24 notifies the clearinghouse 10 of settlement deposit instructions, such as, payment instructions on receivable payments and loan payment instructions to the funds apparatus 12.

The financial provider 24 can access the clearinghouse marketplace 22 via a web page for trading receivables. At the web page, the financial provider 24 can search for receivables to purchase, post offers to sell certain receivables, notify clearinghouse of offers and the acceptance of offers. The

financial provider 24 also receives a daily settlement report issued by the clearinghouse 10.

Receivable Owner Sponsor and Receivable Debtor Sponsor and Clearinghouse

The clearinghouse 10 provides a daily report to the receivable debtor sponsor 20 and the receivable owner sponsor 18. Both sponsors are provided information concerning discrepancies relating to the receivable owner or receivable debtor for which it sponsors. The receivable debtor sponsor is further provided with information concerning reconfirmation requests.

In an embodiment, the present invention provides an Internet based clearing center 10 ("Rclearing.com") for tracking, funding, trading and settlement for account receivables, both domestic and international. FIGS. 2 and 3. The Internet based clearing center 10 creates an environment for account payable and receivable processes that significantly lowers traditional processing costs, and allows for more efficient and cost effective financing programs.

Preferably, upon the receipt and initial processing of a purchase order (manually or via Internet, ultimately), and shipping of the goods, the supplier 14 sends new invoice data to Relearing.com 10 electronically on a daily basis. The invoice information is received by a data repository 26 and  $_{25}$ Rclearing.com 10 makes available the invoice information to the purchaser 16 on behalf of the supplier 14 via the Internet (email or/and through access to Rclearing.com homepage). Terms of payment are provided in the data, with all payment instructions starting that all payments must be made to 30 "Rclearing.com, Inc.", as nominee for the owner of the receivable (initially supplier 14) via Rclearing's Receivable Trust Account (Preferred) ACH/direct debit (recommended), wire transfer or check (to a lockbox owned by Rclearing, Inc.). The purchaser 16 has previously agreed that the payments due 35 under "Rclearing.com payables" may be (or have been) assigned to a third party. But in any case, all payments by the purchaser 16 are to be made to Relearing.com 10. In addition, within the electronic data the purchaser 16 may be given the option for a discount or extended payment terms, to confirm 40 the exact dollar amount and date of payment, and waive all rights to additional adjustments or set-off. The size of the discount given by the supplier 14 to the purchaser 16 is negotiable, depending upon the dollar amount of the invoice, the date of payment, as well as the credit quality of the 45 confirming entity (if someone in addition to the purchaser 16 confirms the payment as well, i.e., receivable debtor sponsor **20**).

The purchaser **16**, individually or with a third party (bank or insurance company), has the option of confirming the invoiced amount, and agreeing to the payment terms (date and amount) in order to receive the agreed upon discount or payment terms on the payment amount.

The supplier 14 may continue to pledge or assign its account receivable, whether or not the purchaser 16 accepts 55 the terms of the "confirmation discount." With the payments from the purchaser 16 required to go through Relearing.com 10, and with the ability to easily create a confirmation process for some or all of the invoiced amounts, the supplier 14 will, most likely, receive better terms on its financing from suppliers finance provider 18. Under this process, payments are less volatile, and cash receipts are easily segregated away from the supplier 14, if necessary.

All payable and receivable information is transferred directly to/from the seller's (supplier 14) and the buyer's 65 (purchaser 16) MIS systems (including accounts payable and accounts receivable systems) to Rclearing.com 10. Rclear-

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ing.com will provide standard interface apparatus for all major vendors of accounting systems.

A large or small company may join Rclearing.com 10, as either a "receivable participant," (receivable owner 14) a "payable participant," (receivable debtor 16), or a "full participant" (both receivable owner and receivable debtor). The participant will access the Rclearing.com website, and, via a password, allow the transfer of data to and from Rclearing.com and the participant's own systems.

As a "full" or "receivable" participant, all invoicing is done through Relearing.com 10, via the Internet or through traditional means (if the invoiced entity is not yet Internet friendly). Relearing.com also collects and reports all confirmations received on invoices (if any). All payments received on receivables (electronic or via lockbox-prior to convincing payer that participation in Relearing or electronic payments is more beneficial) are through Relearing.com. Relearing.com credits the participants receivable trust account 12, (funds settlement apparatus) or forwards funds to the participant on a daily basis. If it is a "full" participant, the amount credited to its funds settlement apparatus 12 will be netted against amount owed on payables.

As a "full" or "payable" participant, all invoices received from suppliers 14, as well as all other payable information is electronically forwarded to Rclearing.com 10 (indirectly from the participant as it receives it, or directly from invoicing company—if it is also a "receivable" participant). The payable is acknowledged, and possibly confirmed, by the participant to Rclearing.com giving Rclearing.com payment instructions. Upon availability of funds in the settlement apparatus 12, Rclearing.com will make payments (preferably electronically) to the appropriate party, per the terms of the invoice and confirmation. Daily net settlements and reporting is done between the participants and Rclearing.com.

"Funding Participants," 18, 20, and 24, who may also be full participants, have the ability to purchase or receive security interests in the receivables held by Rclearing.com as nominee. Disclosure arrangements are predetermined between the funding participants and specific other participants.

Upon the request of the participant owning the receivable, confirmed and unconfirmed receivables may be offered by the receivable owner, or its receivable owner sponsor to financial participants 24 for funding prior to payment date via the receivable trading apparatus 22. Predetermined arrangements, as well as independent "blind" offers may be extended by the owner of the receivable via Rclearing.com, and if accepted, funded through Relearing.com, and the settlement apparatus 12, the next day. The funding scenarios are many. A funding participant 24 may commit to another participant in the form of a loan or purchase arrangement, may purchase receivables as part of building or owning a portfolio of receivables, or may offer to purchase only discrete receivables, from time to time. All full participants may offer to buy discrete receivables using its sponsor through Rclearing.com on a confidential, no-name basis (blind seller, blind buyer).

Standard legal documentation is preferably executed and binding upon any type of participant (including funding participant 24, supplier finance provider 18, and purchaser finance provider 20) for all receivable sales or transfers, and funding arrangements, as a part of becoming a participant of the clearinghouse 10 (both the customer and participating funding providers). This, in itself, may reduce or eliminate significant legal costs for many funding arrangements.

While the specific embodiment has been illustrated and described, numerous modifications come to mind without

significantly departing from the spirit of the invention, and the scope of protection is only limited by the scope of the accompanying Claims.

The invention claimed is:

- 1. A method of utilizing a computer network based receivable clearinghouse for facilitating a transaction involving a at least one receivable and corresponding invoice having payable and receivable information, the method comprising the steps of:
  - receiving data comprising the at least one invoice with the payable and the receivable information from a first plurality of participants involved in the transaction;
  - generating electronic invoice information in response to 15 the at least one invoice received from the first plurality of participants;
  - transmitting the electronic invoice information on behalf of the first plurality of participants to a second plurality of participants, the electronic invoice including one or 20 more payment terms wherein at least one term requires payment of the receivable be sent to the receivable clearinghouse;
  - offering the receivable for sale to multiple third parties over a receivable marketplace associated with the receivable 25 clearinghouse, the receivable marketplace being accessed by a receivable trading apparatus;
  - matching a payment with the receivable in the receivable clearinghouse;
  - reconciling the payment and the receivable in the receivable clearinghouse; and
  - storing particulars of the transaction in a registry associated with the receivable clearinghouse.
- 2. The method of claim 1 wherein the payment is for an amount less than invoice corresponding to the receivable.
  - 3. The method of claim 2 further comprising the steps of: receiving a confirmation acceptance of a at least one offer from the second plurality of participants in response to the confirmation of at least one offer from the first plurality of participants;
  - recording the confirmation acceptance of the at least one offer from the first plurality of participants in the receivable clearinghouse;
  - modifying the one or more payment terms of the receivable 45 in response to the confirmation acceptance of the at least one offer; and
  - forwarding the confirmation acceptance of the at least one offer to the first plurality of participants to modify one or more payment terms of the receivable.
  - 4. The method of claim 3 further comprising the steps of: receiving a reconfirmation acceptance comprising a guarantee of an at least one obligation from a participant, the participant being a receivable debtor sponsor; and
  - forwarding the reconfirmation acceptance to the first plurality of participants.
  - 5. The method of claim 3 further comprising the step of: transferring ownership of security interests of the receivable utilizing the receivable clearinghouse.
- 6. The method of claim 1 further comprising providing a process for modifying the one or more payment terms, the steps comprising:
  - receiving a confirmation of a at least one offer from the second plurality of participants; and
  - forwarding the confirmation of the at least one offer to the first plurality of participants.

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- 7. The method of claim 6 further comprising the steps of: receiving a confirmation acceptance of at least one offer from the first plurality of participants in response to the confirmation of the at least one offer from the second plurality of participants;
- recording the confirmation acceptance of the at least one offer from the first plurality of participants in the receivable clearinghouse;
- modifying the one or more payment terms of the receivable in response to the confirmation acceptance of the at least one offer; and
- forwarding the confirmation acceptance of the at least one offer to the second plurality of participants to modify the receivable.
- **8**. The method of claim 7 further comprising the step of: receiving a reconfirmation of a at least one offer from a participant, the participant being a receivable debtor sponsor; and
- forwarding the reconfirmation offer to the first plurality of participants.
- 9. The method of claim 7 further comprising the steps of: transferring ownership of the receivable utilizing the receivable clearinghouse.
- 10. The method of claim 1 further comprising the steps of: facilitating negotiations between the first and second plurality of participants; and, coordinating at least one fund settlement between the first and second plurality of participants.
- 11. The method of claim 1 further comprising the steps of: providing several types of participants for participating in the receivable clearinghouse;

the types of participants include:

- receivable owner, receivable debtor, receivable owner sponsor, receivable debtor sponsor, and financial provider, the receivable owner providing data on the receivable and being obligated to utilize the receivable clearinghouse to resolve the transaction, the receivable debtor providing data on the receivable and being obligated to utilize the receivable clearinghouse to resolve the transaction, the receivable owner sponsor being a representative of the receivable owner and being obligated to utilize the receivable clearinghouse to resolve the transaction on behalf of the receivable owner, the receivable debtor sponsor being a representative of the receivable debtor and being obligated to utilize the receivable clearinghouse to resolve the transaction on behalf of the receivable debtor, and, the financial provider capable of providing financing to any of the participants through utilizing the receivable clearinghouse.
- **12**. The method of claim **1** wherein the first plurality of participants contains at least one receivable owner and the second plurality of participants contains at least one receivable debtor.
- 13. The method of claim 1 wherein the at least one invoice information received from the first plurality of participants comprises:
- an obligor;
  - an amount;
  - an invoice number; and
  - a due date.
- 14. A method of utilizing a computer network based receivable clearinghouse for facilitating delivery of invoice information, reflecting a at least one receivable, between a first party comprising a plurality of participants and a second party

comprising a plurality of participants, the first party being a full participant of the receivable clearinghouse, the method comprising the steps of:

receiving the invoice information from the full participant; generating payable information in response to the invoice 5 information received from the full participant;

transmitting the payable information to the second party as an electronic invoice including one or more payment terms wherein one term requires payment of the at least one receivable represented by the electronic invoice be 10 settled through the receivable clearinghouse;

offering the at least one receivable for sale to multiple third parties over a receivable marketplace associated with the receivable clearinghouse, the receivable marketplace being accessed by a receivable trading apparatus;

matching a payment with the at least one receivable in the receivable clearinghouse;

reconciling the payment and the at least one receivable in the receivable clearinghouse; and

storing particulars of the transaction in a registry associ- 20 ated with the receivable clearinghouse.

15. The method of claim 14 further comprising the steps of: generating a daily net settlement report wherein the full participant's payables and receivables are processed, including cross currency exchange mechanisms;

adjusting the full participant's account in response to the generated daily net settlement report; and

transmitting the daily net settlement report to the full participant.

16. The method of claim 14 further comprising the steps of: 30 extending an at least one offer to the full participant for soliciting funding for an at least one invoice to a financial participant under clearinghouse rules and obligations agreed to by all participants.

17. The method of claim 16 wherein the extending an offer 35 to the full participant is a predetermined arrangement under clearinghouse rules and obligations agreed to by all participants.

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18. The method of claim 16 wherein the extending an offer to the full participant is confidential.

19. A computer network based receivable clearinghouse for facilitating a transaction involving at least one participant and an at least one invoice, the at least one invoice including payable and receivable information, the computer network based receivable clearing house comprising:

a data repository for holding the at least one invoice information submitted by the participant, the data repository being accessible to a financial institution of the participant under clearinghouse rules and obligations agreed to by all participants;

a fund settlement apparatus for settling discrepancies involved with the at least one invoice, the fund settlement apparatus being operably connected to the data repository wherein daily cash settlements between the clearinghouse and the participant occur;

a reconciliation apparatus for reconciling payments and matching receivables at the clearinghouse;

a data management and reporting apparatus for compiling data received from the participant and for reporting data summarized to the participant, including financial participants, the data management and reporting apparatus being operably connected to the data repository; and

a receivable trading apparatus for interacting with a receivable marketplace wherein the receivable represented by the at least one invoice information can be offered for sale to multiple third party participants of the receivable clearinghouse, the receivable trading apparatus being operably connected to the data repository.

20. The computer network based receivable clearinghouse of claim 19 wherein the receivable trading apparatus receives payments for the receivable represented by the at least one invoice information that are less than the at least one invoice.

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